	1. Project Number (Assigned by federal unit): 110-03-15			
2.	Project Name: Little Butte / Bear Creek Water Management Project 3. County: Jackson Phase II - Planning & Feasibility Study			
4.	Project Sponsor: Talent Irrigation District * Jim Pendleton, Secretary/ Manager 5. Date: 05-30-200			
6.	Sponsors Phone #: (541) 535-1529			
7.	Sponsor's E-mail: talirrig@teleport.com			
8.	3. Project Location (attach project area map)			
	a. 4 th Field Watershed Name and HUC #(if known): <u>Upper Rogue нис#17100307</u> <u>Middle Rogue нис#17100308</u>			
	b. 5 th Field Watershed Name and HUC #(if known): Little Butte HUC#1710030708 Bear Creek HUC#1710030801			
	c. Legal Location:			
	Township Range Section(s)			
	d. BLM District Medford e. BLM Resource Area * Butte Falls, Ashland			
	f. National Forest Rogue River g. Forest Service District Ashland			
-	h. State / Private / Other lands involved? ✓ Yes ☐ No (36.000 acres of irrigated agriculture)			
)	Statement of Project Goals and Objectives:			

- Reduce conveyance loss and increase delivery effectiveness & efficiency of irrigation water in the Rogue River Basin Project;
- Increase stream flows and water quality in Bear Creek and Little Butte Creek during the irrigation season;
- Reuse reclaimed water for irrigation.

10. Project Description: (Provide concise description of project and attach map.)

Phase I

- Appraisal Study completed February 2001
- Planning ongoing

Phase II (see attached draft scope of work)

- Feasibility Study
- Design and engineering
- **Permits**

Phase III

Construction

Project Collaborators (see attached LB/BC Steering Committee letter and signatories)

- **Talent Irrigation District**
- Medford Irrigation District
- Rogue River Valley Irrigation District
- Little Butte/ Bear Creek Water Management Plan Steering Committee

11. Coordination of this project with other related project(s) on adjacent lands?

- ✓ Yes □ No If yes, then describe.
- If funded presently, this project can better integrate the Bureau of Reclamation Rogue River Project Feasibility Study with planning efforts in the Klamath basin.

12.	How does proposed project meet purposes of the Legislation? [Sec. 203(b)(1)] ✓ Improves maintenance of existing infrastructure. [Sec. 2(b)] ☐ Implements stewardship objectives that enhance forest ecosystems. [Sec. 2(b)] ☐ Restores and improves land health. [Sec. 2(b)] ✓ Restores water quality. [Sec. 2(b)]
13.	Project Type (check one) [Sec. 203(b)(1)] ☐ Road Maintenance [Sec. 2(b)(2)(A)] ☐ Other Infrastructure Maintenance (specify): rebuild conveyance system, add storage, include reclaimed water for beneficial uses of irrigation and stream flow [Sec. 2(b)(2)(A)] ☐ Soil Productivity Improvement [Sec. 2(b)(2)(B)] ☐ Watershed Restoration & Mntc. [Sec. 2(b)(2)(D)] ☐ Wildlife Habitat Restoration [Sec. 2(b)(2)(E)] ☐ Control of Noxious Weeds [Sec. 2(b)(2)(F)] ☐ Reestablish Native Species [Sec. 2(b)(2)(G)] ☐ Other Project Type (specify) [Sec. 2(b)(2)]:
[4. ·	Measure of Project Accomplishments/Expected Outcomes [Sec. 203(b)(5)] a. Total Acres: 36,000 acres of irrigated land c. No. Structures:
l 5.]	 Duration of Project and Estimated Completion Date [Sec. 203(b)(2)]: 2005 to 2010 Phase I - 24 months Phase II - 36 months Phase III 36 months
16.	Target Species Benefitted: (if applicable) Coho, Steelhead, Chinook
l7.	How will cooperative relationships among people that use federal lands be improved? [Sec.
	Please see attached letter to Senators Smith and Walden.
8.]	How is this project in the best public interest? [Sec. 203(b)(7)] Identify benefits to communities?
	This project will materially support: • Endangered Species Act compliance; • Clean Water Act compliance; • Economic viability of agriculture;

19. How does project benefit federal lands/resources?

• Inter basin water management and stream flow enhancement;

Recovery of native fishery for recreation and other benefits.

- Improve stream water quality and quantity of federal lands;
- Improve fisheries on federal lands.

• 20. Status of Project Planning				
a. NEPA Complete:		☐ Yes	✓ No	
b. If No, give est. date of completion: 200	<u>)5</u>	*		
c. NMFS Sec. 7 ESA Consultation Comp	lete:	Yes	✓ No	Not Applicable
d. USFWS Sec. 7 ESA Consultation Complete: e. Survey & Manage Complete:		Yes	✓ No	Not Applicable
		Yes	✓ No	Not Applicable
f. DSL/ODFW* Permits Obtained:		Yes	✓ No	Not Applicable
g. DLS/COE* 404 Fill/Removal Permit O	btained:	Yes	✓ No	Not Applicable
h. SHPO* Concurrence Received:		Yes	✓ No	Not Applicable
 Project Design(s) Completed: 		Yes	✓ No	
This phase of the project starts the applicable process. 21. Proposed Method(s) of Accomplishment				\\\
		_		
✓ Contract	~	Federal Wo	rkforce	
County Workforce		Volunteers		
Other (specify):				
22. Will the Project Generate Merchantab	ole Materi	ials? (Sec. 20)4(e)(3))	
☐ Yes ✓ No				

23. Anticipated Project Costs [Sec. 203(b)(3)]

a. Total County Title II Funds Requested: \$	500,000	
b. Is this a multi-year funding request?	Yes □ No	If yes, then display by fiscal year
c. FY02 Request: \$	f. FY0	5 Request: \$
d. FY03 Request: \$ 250,000	g. FY0	6 Request: \$

e. FY04 Request: \$ <u>250,000</u>

	Fed. Agency Appropriated Contribution	Requested County Title II Contribution	Other Contributions	Total Available
Item	[Sec. 203(b)(4)]	[Sec. 203(b)(4)]	[Sec. 203(b)(4)]	Funds
24. Field Work & Site Surveys	\$ 250,000	\$ 250,000		
25. NEPA & Sec.7 ESA Consultation	250,000			
26. Permit Acquisition				
27. Project Design & Engineering		250,000		
28. Contract Preparation				
29. Contract Administration				
30. Contract Cost				
31. Workforce Cost				
32. Materials & Supplies				
33. Monitoring				
34. Other				
35. Project Subtotal	\$ 500,000	\$ 500,000		\$1,000,000
36. Indirect Costs (Overhead) (per year for multiple year projects)				
37. Total Cost Estimate	\$ 500,000	\$ 500,000	\$	\$1,000,000

38. Identify Source(s) of Other Funding in Column C. Above [Sec. 203(b)(4)]

US Bureau of Reclamation, FY 2003 and 2004 requests.

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Title II Project Application Medford District Resource Advisory Committee

39. Monitoring Plan (Sec.203(b)(6)

• What measures or evaluations will be made to determine how well the proposed project meets the desired ecological conditions? [Sec. 203(b)(6)] Who will be responsible for this monitoring item?

Project steering committee will be responsible to coordinate and supplement various efforts to monitor and report stream flows, temperature, water quality, and fishery recovery.

• How will the project be evaluated to determine how well the proposed project contributes towards local employment and/or training opportunities, including summer youth jobs programs such as the Youth Conservation Corps? [Sec. 203(b)(6)] Who will be responsible for this monitoring item?

Project steering committee will be responsible to monitor and report economic benefits to local contractors. The economic value of enhancement of water resource beneficial uses of agricultural irrigation, stream flow, and recreation will be estimated and reported.

• What methods and measures of evaluation will be established to determine how well the proposed project improves the use of, or added value to, any products removed from National Forest System lands consistent with the purposes of this Act? [Sec. 203(b)(6) and Sec. 204(e)(3)] Who will be responsible for this monitoring item?

Project steering committee will be responsible to coordinate and supplement various efforts to monitor and report stream flows, temperature, water quality, and fishery recovery.

d. Identify total funding needed to carry out specified monitoring tasks (Table 1, Item 33)

Amount: included in planning budget

Rogue Basin Technical eam

Expertise and Technical Assistance

Ecosystem Management Model

Rogue Basin Fish Access Team

Restoration Projects

Events and News

Newsletter

Library and Documents

Photos and Maps

Links

Contact Us



Select a watershed or watershed council you would like to explore...

DRAFT SCOPE OF WORK

for Preparation of PLANNING REPORT/ENVIRONMENTAL STATEMENT

Bear Creek/Litte Butte Creek Water Management Study

I. Introduction

This study will be performed in accordance with the guidance presented in Reclamation's "Economic and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies" (P&G's). These guidelines establish standards and procedures for use by Federal agencies in formulating and evaluating alternative plans for water and related land resources implementation studies. They provide the following standard sequence of steps in the planning process:

- Specification of the water and related land resources problems and opportunities.
- Inventory, forecast, and analysis of water and related land resource conditions within the project area.
- Formulation of alternative plans.
- Evaluation of the effects of alternative plans.
- Selection of a recommended plan.

General tasks common to all team members include:

- Complete specific technical input into a PR/EIS for the development and analysis of alternatives for meeting the future water supply needs of the Tualatin River Valley.
- Provide input into formulation of alternatives.
- Provide a list of environmental commitments.
- Respond to public comments regarding specific areas of technical expertise.
- Work with GIS specialist to map respective resources.
- Review team, administrative, and final draft reports.
- Attend study coordination meetings and provide for peer review of work.

II. Specific Technical Requirements

ENGINEERING

- 1. Project management, coordination, develop design data needs, prepare quantities and estimate worksheets, prepare and compile paragraphs and drawings for the PR/EIS, and peer review.
- 2. Develop design data needs, pipeline distribution alternatives, pumping plant layouts,

mechanical features, power and control features, and other structural components.

- 3. Prepare quantities and estimate worksheets, prepare paragraphs and drawings for the PR/EIS.
- 4. Assist in development of construction considerations that may affect feasibility of alternatives under consideration and construction costs.
- 5. Prepare feasibility level field cost estimate.

BIOLOGICAL RESOURCES

Tasks:

- 1. Scoping & Other Public Involvement Activities
- Participate in public workshops and hearings as required to meet NEPA requirements.
- Participate with stakeholder group should it be established.

2. Data Collection

- Obtain existing information on fish, wildlife and vegetation
- After consultation with federal, state and local fish & wildlife agencies, it is likely that
 additional data needs will be identified. Field surveys that will provide the greatest
 amount of relevant biological data for the least cost will be conducted as necessary.
 Potential analyses include a Habitat Evaluation Procedure and a Wetland Delineation and
 Assessment.

3. Agency Coordination

- Coordinate closely with FWS, NMFS and ODFW to appraise agencies of the proposed project and obtain cooperation and information.
- Request Threatened & Endangered Species List from FWS.
- Request Fish & Wildlife Coordination Act Report or Planning Aid Memo from FWS.
- Consult with NMFS regarding potential requirements as they relate to the federally listed threatened Southern Oregon/Northern California coho salmon. A biological assessment may be required.
- 4. Environmental Impact Statement Preparation

- Utilizing the information collected from activities outlined above, prepare the affected environment sections for fish, wildlife, vegetation and special status species.
- Analyze environmental impacts and prepare relevant sections for EIS.

TECHNICAL WRITING/EDITING/GRAPHICS

Assumptions: The report is estimated to be about 200 pages in length. The number and type of drafts and final reports will be as described below and any deviation from that may require additional funds. Printing will be done by contract through the Government Printing Office. It is assumed that 500 copies each of the review draft and final PR/EIS will need to be printed.

Tasks:

- 1. Writing/editing.
- 2. Desktop publishing.
- 3. Creating or revising maps and other graphics.
- 4. Proofreading.
- 5. Organizing appendices.

Deliverables:

- Team draft of draft PR/EIS.
- Administrative draft of draft PR/EIS.
- Public review draft of draft PR/EIS.
- Administrative draft of final PR/EIS.
- Final PR/EIS.

ECONOMICS

- 1. Conduct P&G's National Economic Development (NED) benefit-cost analysis.
- 2. Conduct P&G's Regional Economic Development (RED) benefit-cost analysis.
- 3. Conduct repayment analysis.
- 4. Write economic affected environment.
- 5. Conduct impact analysis (incremental to NED/RED above).
- 6. Revise economic input in response to comments.

WATER SUPPLY, USE, AND CONSERVATION (Surface Water Hydrology)

As part of the technical input to the study this group will develop a model for investigating the hydrologic impact of proposed alternatives. It is expected that previous work completed in the study area by Reclamation would greatly benefit and streamline the hydrologic model

development effort.

Tasks that have been, or will be, undertaken include the following:

- Collection and review of relevant documents and data.
- Detailed hydrologic and water use studies required to develop input data for the model utilizing past Reclamation studies
- Assemble and review legal and institutional requirements, including existing and pending water use permits and river regulation requirements.
- Selection, development, and verification of the hydrologic model.
- Simulations and impact assessments of future alternatives of interest.
- Reporting and documentation.

WATER QUALITY

- 1. Collect Reports and Data and Review
- 2. Conduct Water Quality Data Analysis
- 3. Prepare Water Quality Sections in Feasibility/Environmental Document
- 4. Coordination and Staff Meeting Attendance
- 5. Conduct Peer Review

LAND AND SOIL RESOURCES

The following provides a listing of tasks associated with the analysis of land resources/agriculture water needs (current conditions and analysis of future conditions and impacts of alternative plans for supplying future water needs) The land and soil resources analysis will focus on agricultural lands, cropping patterns and yields with and without a plan. This information will be provided to the economist for cost/benefit determinations. Construction related impacts associated with each alternative will also be evaluated.

Specific evaluation issues are listed below:

- Cropping pattern current and trends / future and associated water supply needs
- Crop yield trends and forecasts
- Irrigated land acreage existing/ potential, trends
- Urbanization of irrigated lands
- Soil quality evaluation
- Soil erosion potential evaluation
- Land classification status, and needs for a federal project
- Prime and unique farmland evaluation
- Construction related impacts for each alternative
- Water conservation potential on Agricultural lands
- Land inundation by reservoir

Severance of agricultural lands by canals or other above ground features.

Tasks:

- 1. Review existing reports and data.
- 2. Conduct a land inventory to identify potential irrigated lands.
- Conduct onsite evaluations of canal routes and expanded reservoir site.
- 4. Research land classification status and needs.
- 5. Research history of agriculture in area.
- 6. Conduct crop survey of irrigated / non-irrigated lands.
- Conduct interviews with selected agricultural landowners, NRCS officials, and County extension agents.
- 8. Provide soils information to other technical experts on flood plains, wetlands, and landslide potential etc.
- 9. Conduct soil trace element assessment.
- 10. Prepare land and soils chapter for document.
- 11. Respond to comments.
- 12. Attend team meetings.

OUTDOOR RECREATION

Tasks:

- 1. Coordinate with appropriate entities, conduct specific site surveys, and collect available data.
- 2. Document recreation activities; establish baseline visitation by activity; determine the change in visitation by activity for each alternative, describe the quality of the recreation experience and opportunities, if any.
- 3. Identify and locate existing recreation facilities from available data such as aerial mapping, to include existing trails; work with appropriate cost estimators to determine the cost associated with protection, modification, or relocation of facilities for each alternative.
- 4. Prepare affected environment and environmental consequences sections of the EIS, including identification of mitigation measures and cumulative impacts, if necessary; make revisions; respond to recreation-related public comments on drafts; and provide team review of Report/EIS at critical junctures in the process.
- 5. Coordinate with graphics people to prepare basic recreation map(s) to include in the study report.
- 6. As necessary, prepare status reports and writeups to team leader and others and attend team meetings.

SOCIAL AND ENVIRONMENTAL JUSTICE

Tasks:

- 1. Describe existing and future social and environmental justice conditions for the immediate study area and any other identified impact areas for the period of analysis. An Indian sub-account may be needed. Initial social and environmental justice issues and concerns will be identified during scoping. Additional issues and concerns may be identified as the study progresses.
- 2. Prepare social and environmental justice impact analysis (environmental consequences) of alternatives (comparison of action alternatives to the no action alternative). Results of scoping, public involvement activities, and regional economic analyses will be used to identify additional social and environmental justice impacts. Social and environmental justice impacts may also occur outside the immediate study area. Work will be coordinated with Economics to avoid duplication of effort.
- 3. Prepare information for inclusion in the PR/EIS. No formal appendix will be prepared.

INDIAN TRUST ASSETS

Tasks:

- 1. Become familiar with the project including current, past, and future tribal ties.
- 2. Identify potentially affected federally recognized tribes.
- 3. Review existing historical ITA documentation and information.
- 4. Learn the government to government relationship, including MOA/MOU and designated tribal and/or Bureau of Indian Affairs (BIA) technical contact for each tribe.
- 5. Work with designated contact/s for each tribe to identify and describe potentially affected ITA.
- 6. Become familiar with impacts to resources associated with identified ITA.
- 7. Work with designated tribal contact/s for each tribe to identify and analyze potential impacts of each alternative on ITA and, if needed, identify potential mitigation.

PUBLIC INVOLVEMENT

Tasks:

1. Develop a flexible, evolving public involvement strategy. Identify key events, e.g., public meetings, identify important contacts, develop process for tracking public contacts, etc. Provide assistance, strategies, etc., to team leader and members as requested.

- 2. Identify publics to assure all probable interested publics are identified and invited to participate in the study. Develop and maintain a mailing list.
- 3. Public Meeting and Document Availability Notification
- Provide paid public notices in local newspapers
- Send notices to interested agencies, groups and individuals.

4. Public Meetings

- Arrange for appropriate facility in the local area
- Set up meeting room and arrange for provision of flipcharts, displays, electronic equipment, etc.
- Coordinate preparation of meeting presentations and materials
- Compile, organize and analyze public comments from public meetings and written comments received.
- 5. Attend pre and post meetings with Reclamation and other agency personnel.
- 6. Prepare public involvement and public comments summary sections.
- 7. Attend team meetings.

CULTURAL RESOURCES

The following tasks will be addressed:

- 1. Conduct background research/initial information gathering.
- 2. Conduct data collection/file search.
- 3. Draft affected environment section.
- 4. Evaluate alternatives/draft environmental consequences section.
- 5. Consult with SHPO.
- 6. Consult with Native Americans.
- 7. Attend team meetings.
- 8. Review and revise drafts.
- 9. Respond to public comments.
- 10. Conduct site visit to project area.

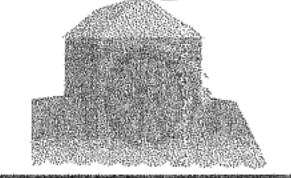
RESOURCE MANAGEMENT

The Resource Manager for this effort will function as the team leader and be responsible for insuring, through coordination with the technical team and other participants, that the PR/EIS is

completed in a manner that meets all objectives of the client and participants. Work activities and associated expenditures will be monitored and controlled to the extent possible to ensure that the products are provided on time and within budget. All work commitments and products will receive the proper review and peer review documentation will be completed.

The following items will be addressed:

- 1. Develop service agreements and modify as needed.
- 2. Track work accomplishments and costs.
- 3. Coordinate with the client and other participants.
- 4. Coordinate and participate in the development of a final purpose and need statement, goals and objectives, criteria for alternative evaluation and alternatives formulation for the project.
- 5. Insure that all documents meet project requirements in accordance with purpose and need, goals, and objectives of the project.
- 6. Prepare for and participate in public meetings.
- 7. Coordinate reviews and revisions of draft documents.
- 8. Provide periodic progress reports to participating client staff as a management aid, outlining accomplishments and providing information on problems or concerns.
- 9. Conduct technical team meetings.



P.O. Box 1178 Ashland, OR 97520

Irrigation Point Of Diversion

Honorable Greg Walden U.S. House of Representatives 1404 Longworth House Office Bldg. Washington, DC 20515 Ph:202/225-6730 Fax: 202/225-5774

Congressman Walden,

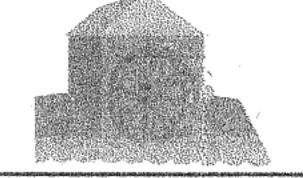
The undersigned request your support for a reasonable, long-term, cost effective approach to meet requirements of the Endangered Species Act, the Clean Water Act as well as needs of the local population here in Southern Oregon. To these ends, we request your assistance in having the Bureau of Reclamation cooperate with local, state, and other federal entities in moving expeditiously forward with the Rogue Basin Feasibility Study.

This year not only the Klamath Falls basin, but also all of Southern Oregon faces significant water shortages. As you are aware, our agricultural economy, watersheds, recreational facilities, municipalities, and in-stream habitats have suffered due to a lack of sufficient water supplies. Various state and federal entities are currently evaluating how to address new regulatory requirements, and also minimize future drought impacts such as we are now experiencing here in Southern Oregon.

At the local level, a group of concerned citizens, stakeholders, local organizations, and state and federal agencies known as the Irrigation Point of Diversion (IPOD) Committee has recently completed a Preliminary Feasibility/Scoping Report on Little Butte Creek in Jackson County in cooperation with the Medford Water Commission. The purpose of the IPOD project is to increase stream flows within Little Butte Creek, thus providing critical anadromous fish habitat for spawning and rearing, improving water quality and improving the local irrigation districts' water supply system.

During the study review process of the above report, the IPOD Committee became aware of various other efforts being conducted by federal agencies, especially those of the Bureau of Reclamation (BOR). The IPOD Committee was informed by the BOR of the following efforts:

- Completion of Bear Creek/Little Butte Creek Water Management Study Appraisal (February 2001).
- Present on-going Section 7, Endangered Species Act consultation within the Rogue River Basin Project.
- Water Conservation Field Service Program planning and demonstration efforts to conserve irrigation water supplies within the Rogue River Basin irrigation districts.
- Plans for a Rogue River Basin Feasibility Study (Study) in 2003 upon approval of congressional appropriations



Irrigation Point Of Diversion

P.O. Box 1178 Ashland, OR 97520

The BOR informed us that the objective of the Study is to evaluate alternatives to optimize existing project water supplies, including the possible use of supplementary water supplies such as reclaimed effluent from the Medford Regional Water Reclamation Facility, and Lost Creek Reservoir water.

Given the impact of the recent court ruling by the Ninth Circuit Court of Appeals (March 12, 2001) on options for controlling aquatic weeds in irrigation canals, the Rogue Basin agricultural community is proactively looking for new ways to address this issue. The BOR study will include an alternative for providing for closed pipeline systems within the Rogue River Basin that conserve irrigation water, reduce power expenditures and aquatic weed problems, address new regulatory requirements and increase in-stream water for fish passage.

It is the belief of the undersigned that the Study be started as soon as possible. For reasons noted above, the signatories to this letter respectively request your assistance in allowing the BOR to begin working with local, state, and other federal entities in moving expeditiously forward with the Rogue Basin Feasibility Study. Since the Study requires congressional appropriations we request that you do what you can to speed up the process so that BOR can begin the Study immediately.

Sincerely,

Steve Mason Project Manager, IPOD (541) 659-0354 wsc@jeffnet.org

CC: Senator Ron Wyden
United States Senate

Senator Gordon Smith United States Senate

Mr. John W. Keys, III, Commissioner US Department of the Interior Bureau of Reclamation

Mr. J. William McDonald, Regional Director Pacific Northwest Region US Department of the Interior Bureau of Reclamation

Irrigation Point Of Diversion

P.O. Box 1178 Ashland, OR 97520

Support for Bureau of Reclamation Rogue Basin Feasibility Study Signature Page

Name	Affiliation
Andray D. Serryman	Mayor City I Hed ford
- Word	CHAIR BERCHEN (WATERSHED CHINCH)
Bill Walton	Mayor, City of Central Goint
Carl Brad Royd	Many Medford & bigation Dist.
Al Solow	Rog Mar Or. Water Resource Opt.
1 Compost	CHAIN - POWE GROUP SIERNA CEUS
Janus Bardusci	Mayor-City of thoening
Land loon.	MARyon- City of Ashland
Som g Wand	CHATE, FRIENDS of The Grangooning
(Robert While	PERS. LITTLE BUTTE CREEK WATERSHED LOUNCEL
De bellem	Pres. Loque Basin Coordination Conveil
Michael E. Howell	Supremited t - 054 Res. & Ext. Conter
Rhet S. Hunter	Staff Attorney - Water Watch
John Elefan	Merrager Roger Rover Velly olse. Dist
To the state of th	
With Livern	Morrager, Ochard Development Bear Creek Ochards
It have	MAYOR CITY OF TACKSONYICK
Tonya Graham	Executive Director: Headwaters

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Irrigation Point Of Diversion

Support for Bureau of Reclamation Rogue Basin Feasibility Study Signature Page (continued)

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